

Keil Software Announces...

COBOL[™] for the 8051

A P R I L 1 , 2 0 0 5

Attention Managers

Are you having trouble finding software developers for your embedded projects?

Thousands of programmers learned COBOL in order to fix Y2K bugs. Since this crisis has passed, the demand for COBOL programmers in Data Processing is returning to normal. With Keil **COBOL**^{for the 8051} you can tap this underutilized labor pool for your Embedded Systems projects!

Keil **COBOL**^{for the 8051} is based on the ANSI X3.23-1985 standard. Some features that are rarely useful in 8-bit microcontroller applications, such as the sort/merge facility and sophisticated file access methods, are omitted. Keil language extensions meet the unique requirements of embedded systems in a style consistent with standard COBOL.

Attention Engineers

Any standard language requires some adaptation when implemented for the 8051. Keil **COBOL**^{for the 8051} extensions include:

- ☛ Everything the compiler and linker must know about the target system may be specified in the ENVIRONMENT DIVISION: target processor, memory maps, and more. Specifying the target processor in the OBJECT-COMPUTER paragraph automatically declares all its Special Function Registers.
- ☛ Support for SFRs, other I/O ports, and FLASH memory is based on standard COBOL file-handling syntax. Hardware registers are described as RECORDs and bit fields within registers may be declared using PICTURE clauses, so you can access these resources in a familiar and obvious way with READ and WRITE statements.
- ☛ Your dreams of writing interrupt handlers in COBOL have finally come true!



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If you're not convinced Keil **COBOL**^{for the 8051} is for you, we also have a highly-regarded C compiler. See...

www.keil.com